

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electronic device provided with an active element having a first electrode and a second electrode, which are separated from each other by an active layer containing a semiconductive or electroluminescent organic material, ~~characterized in that wherein~~ the organic material of an active layer is a polymer comprising conjugated conjugation units which are separated from each other by non-conjugated intermediate units B in such a manner that the conjugation of the first and the second conjugation unit A₁, A₂ is interrupted in an intermediate unit B₁, and wherein the active layer comprises an intrinsic, undoped semiconductive material.

2. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, ~~characterized in that wherein~~ the polymer is polymer

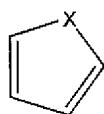
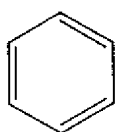
network comprising a first and a second main chain which are interconnected via side chains, a side chain containing a $B_1-A_1-B_2$ structure, with B_1 , B_2 being intermediate units and A_1 being a conjugation unit.

3. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, characterized in that the polymer is a copolymer comprising a main chain, the intermediate units B and the conjugation units A being present in the main chain as alternating units . . . - $A_1-B_1-A_2-B_2$ -

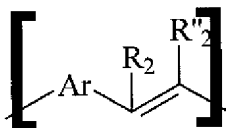
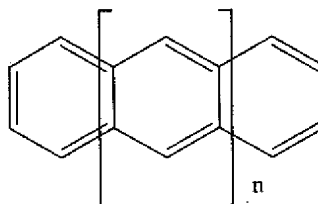
4. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, characterized in that the polymer comprises a main chain with side chains, a side chain containing a $B_1-A_1-B_2$ - structure, wherein B_1 , B_2 are intermediate units and A_1 is a conjugation unit.

5. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, ~~characterized in that~~ wherein the intermediate unit B_1 comprises a mesogenic group.

6. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, ~~characterized in that wherein~~ the conjugation unit is a unit of formula Y_n , wherein $2 \leq n \leq 8$ and Y is selected from the group composed of



X =, NH, S, O



wherein

Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a substituent selected from the group composed of an unbranched C_1 - C_{20} -alkyl-, C_3 - C_{20} -alkoxy-, C_1 - C_{20} -alkylsulphate-, a branched C_3 - C_{20} -alkyl-, phenyl or benzyl group, and that may comprise up to 4 heteroatoms selected from the group composed of oxygen, sulfur and nitrogen in the aromatic ring system, and

R_2 and R'_2 are selected from the group composed of a hydrogen

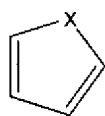
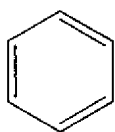
atom and a C₁-C₂₀alkyl- and a C₄-C₂₀-aryl group, which groups may comprise substituents.

Claim 7 (Canceled)

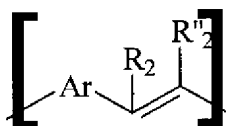
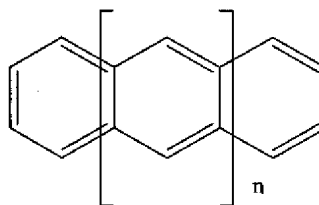
8. (Currently Amended) ~~An~~ The electronic device as claimed in claim 1, ~~characterized in that~~ wherein the active element is a transistor and wherein a third electrode is present which is separated from the active layer by a dielectric, ~~and wherein the active layer comprises an intrinsic, undoped semiconductive material.~~

Claim 9 (Canceled)

10. (Currently Amended) A monomer having a B₁-A₁-B₂ structure, wherein A₁ is a conjugated unit of formula Y_n, wherein 2 ≤ n ≤ 8 and Y is selected from the group composed of



X =, NH, S, O



wherein

Ar is an aromatic ring system with 4 to 6 carbon atoms that may be substituted with a substituent selected from the group composed of an unbranched C₁-C₂₀-alkyl-, C₃-C₂₀-alkoxy, C₁-C₂₀-alkylsulphate-, a branched C₃-C₂₀-alkyl-, phenyl or benzyl group, and that may comprise up to 4 heteroatoms selected from the group composed of oxygen, sulfur and nitrogen in the aromatic ring system, and

R₂ and R'₂ are selected from the group composed of a hydrogen atom and a C₁-C₂₀-alkyl- and a C₄-C₂₀-aryl group, which groups may comprise substituents,

and wherein B₁, B₂ are non-conjugated groups, and

wherein the monomer forms an intrinsic, undoped semiconductive material of an active layer of an electronic device, the active layer including first and second electrodes.

Claim 11 (Canceled)

12. (Currently Amended) A polymer comprising:
conjugated conjugation units A and non-conjugated conjugation units B;
an intermediate unit B1 mutually separating a first and a second conjugation units A1, A2 in such a manner that conjugation of the first and a second conjugation units A1, A2 is interrupted in the intermediate unit B1, wherein the polymer is prepared from a monomer having a B1-A1-B2 structure, and wherein at least one of the groups B1, B2 comprise a reactive end group, and

wherein the polymer comprises an intrinsic, undoped semiconductive material and forms an active layer of an electronic device, the active layer including first and second electrodes.